



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Wednesday Evening, July 03, 2013

Electricity

Update: California Power Grid Avoids Problems Due to Conservation and More Moderate Temperatures July 2

Cooler temperatures in addition to a *Flex Alert* placed on Monday and extended into Tuesday helped the California power grid avoid potential problems on June 2. The California Independent System Operator (ISO) had urged customers, for a second day, to conserve energy in the northern part of the state due to an intensifying heat wave. Monday's peak demand came in at 44,964 MW and Tuesday's came in just below 46,000 MW, both lower than ISO early forecasts.

<http://www.reuters.com/article/2013/07/02/utilities-california-heatwave-idUSL2N0F81JG20130702?feedType=RSS&feedName=utilitiesSector>
<http://www.reuters.com/article/2013/07/03/utilities-california-heatwave-idUSL2N0F90I120130703?feedType=RSS&feedName=marketsNews&rpc=43>

Update: PG&E's 1,087 MW Diablo Canyon Nuclear Unit 1 in California Ramped Up to 38 Percent by July 3

Pacific Gas and Electric Company's (PG&E) Diablo Canyon nuclear reactor unit 1 reconnected to the grid Tuesday afternoon. The unit was operating at 2 percent Tuesday morning before increasing its output to help California deal with the high power demand caused by rising temperatures according to the U.S. Nuclear Regulatory Commission.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>
Reuters, 18:56 July 2, 2013

Explosion at APS's 1,243 MW Palo Verde Nuclear Unit 1 in Arizona Reduces Power to 58 Percent by July 3

APS's Palo Verde nuclear unit 1, in Arizona, was reduced to 58 percent power from operating at full power July 2 due to an explosion. According to a report filed with the Nuclear Reactor Commission, the unit was implementing abnormal operating procedures for reactor power cutback due to the loss of one Main Feedwater Pump and degraded electrical power due to the loss of the non-class 13.8kV load center. The load center was damaged from an apparent electrical malfunction.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>
<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130703en.html>

Entergy's 1,006 MW Indian Point Nuclear Unit 2 in New York Shut for Work July 3

Entergy Corp shut its Unit 2 reactor at the Indian Point nuclear power plant in New York for work. The plant was running at full power before operators safely shut the reactor Wednesday morning, following the automatic shutdown of the units two main boiler feed pumps. Unit 2 had been online for 138 continuous days prior to Wednesday's shut down. Entergy said it expects Unit 2 to return to service in the next couple of days.

<http://www.reuters.com/article/2013/07/03/utilities-operations-entergy-indianpoint-idUSL2N0F914Q20130703>

Update: Constellation's 825 MW Calvert Cliffs Nuclear Unit 1 in Maryland at Full Power by July 3

The Nuclear Regulatory Commission reported that on the morning of July 2 the unit was operating at 85 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

Energy Northwest, NuScale Power, Utah Association Municipal Power Systems Explore Small Modular Reactor Operation

Energy Northwest said Monday it plans to join NuScale Power and Utah Associated Municipal Power Systems and form the Western Initiative for Nuclear Collaboration to study the demonstration of a commercial, small modular reactor (SMR) project, potentially in southeastern Idaho, by 2024. The companies will explore a six- to 12-module facility to be located at a site like the Idaho National Laboratory. Designed to generate between 270 and 540 megawatts of electricity, the project would also serve to prove the feasibility of future SMR development.

<http://www.energy-northwest.com/news/2013/documents/NR%2013-14%20Energy%20Northwest%20Joins%20SMR%20Initiative%207-1.pdf>

PJM Plans for “Black Start Service” to Restart Power Grid in Event of Entire System Going Down

PJM Interconnection, operator of the largest North American power grid, has issued a request for proposals (RFP) as part of its first five-year selection process for “black start service,” which use generators that can start up without outside sources of power and deliver electricity to the grid and restart other generators. The company wants to investigate other black start options beyond what it currently has in light of new state and federal environmental regulations, which are causing the retirement of a large number of existing black start generators. PJM will examine the proposals it receives and make selections based on needs, capability of units, location of units and cost. Existing black start generators are expected to continue providing black start service under their current commitment terms. The window for proposals will be open until September 30.

<http://www.pjm.com/~media/about-pjm/newsroom/2013-releases/20130702-black-start-rfp.ashx>

Duke Energy Says Copper Theft Knocks Out Power to 16,000 Customers in Greenville, South Carolina July 2

Duke Energy said an attempted copper theft at its Peace Street power station on Tuesday left approximately 16,000 of its customers without power in Greenville, South Carolina. As of Wednesday morning, only 319 customers remained without power. According to the Greenville County Sheriff’s Office, approximately 12 feet of copper-coated steel were stolen from the substation, causing a blown transformer and damaging the ground wires.

<http://www.foxcarolina.com/story/22742440/thousands-without-power-in-greenville>

Petroleum

Unit Restarts at Tesoro’s 166,000 b/d Golden Eagle Refinery in Martinez, California July 2

Tesoro Corp. said that a unit at its 166,000 b/d Golden Eagle refinery in Martinez, California, had restarted Tuesday and was operating normally after experiencing an emergency shutdown Sunday, according to a filing with the Contra Costa County Health Department. The company provided no details on the cause of the shutdown or the current status of the unit.

Reuters, 10:43 July 3, 2013

Update: FCCU at Valero’s 132,000 b/d Benicia, California Refinery Returns to Planned Rates July 3

Valero Energy Corp. said the fluid catalytic cracking unit (FCCU) at its Benicia refinery in California was back at planned rates Wednesday after experiencing a brief power outage June 29 when the unit tripped. The FCCU was restarted June 30.

Reuters, 10:44 July 3, 2013

Phillips 66 Reports Release of Hydrogen Cyanide at Its 247,000 b/d Sweeny, Texas Refinery July 1

According to a filing with the National Response Center, two fluid catalytic cracking units (FCCUs) released hydrogen cyanide July 1. The report did not give a status on the FCCUs.

http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1052383

Natural Gas

Cryogen Unit Shut Due to Equipment Failure at Atlas Pipeline's 195 MMcf/d Midkiff Gas Plant in Texas July 1

Atlas Pipeline reported to the Texas Commission on Environmental Quality that its Midkiff Gas Plant in Texas was shut down due to an equipment failure caused when the Consolidator Cryogen Master Control Delta V Panel failed. Gas was flared to reduce emissions, and operators in the plant were working on restoring the downed units.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=185038>

Leak Shuts Cedar Hill Gas Plant in Texas July 2

Cedar Hill Gas Plant located in Midland, Texas was shutdown in order to make necessary repairs due to a leak found on the inlet plant line that enters into the cold plant scrubber, according to a report filed with the Texas Commission on Environmental Quality. The site is flaring inlet gas until the vessel is either repaired or replaced and the unit is returned to service. The flare is being monitored and maintained in constant operation and good working order.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=185036>

Other News

Nothing to report.

International News

Update: Yemen Repairs, Restarts 125,000 b/d Maarib Crude Oil Pipeline July 2, Following Explosion

Yemen officials said Wednesday that its major crude oil pipeline has been repaired and oil is again flowing to an export terminal on the Red Sea, following an explosion on the line Sunday. Tribesmen blew up the pipeline in the latest in a series of attacks on the country's main financial source. At the time of the explosion, officials said the pipeline would likely be closed for a week.

<http://www.thestar.com.my/Business/Business-News/2013/07/03/Yemens-Main-Crude-Pipeline-Repaired-After-Blast.aspx>

Energy Prices

U.S. Oil and Gas Prices July 3, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	101.89	95.18	87.63
NATURAL GAS Henry Hub \$/Million Btu	3.58	3.77	2.78

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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